

ABSTRACT OF THE DISCLOSURE

A process is disclosed for taking a cut from an FCC reactor product and reacting it in a separate reactor to upgrade the product quality. Cracking or reformulating reactions in the separate reactor give reductions in olefins and reformulating hydrogen-transfer reactions convert undesirable olefins to isoparaffins and aromatics without reducing octane value. Catalyst particles from the FCC reactor may be cycled to the separate reactor. This process has also been found to substantially diminish concentrations of nitrogen and sulfur compounds fed to the separate reactor.